

Bidirectional soliton spectral tunneling effects in the regime of optical event horizon - DTU Orbit (08/11/2017)

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We study the cross-phase-modulation-induced soliton spectral shifting in the regime of the optical event horizon. The perturbed soliton to either red-shifting or blue-shifting is controllable, which could evoke bidirectional soliton spectral tunneling effects.

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